

Application No. 10/063,808
Docket No. 13DV-13711
Amendment dated May 19, 2004
Reply to Office Action of July 10, 2003

Amendments to the Specification:

Please replace paragraph [0007] with the following amended paragraph:

[0007] The present invention is a PVD process and apparatus for depositing a coating from multiple sources of different materials. The process and apparatus are particularly intended to deposit a nickel-base intermetallic coating, such as the ~~gamma prime phase~~ γ' [Ni(Co,Fe,Cr,Mo,W,Re)₃Al] or beta phase (β NiAl), which is alloyed to contain zirconium, hafnium, yttrium, cerium and/or another reactive element whose vapor pressure is significantly lower than the constituents of the nickel-base intermetallic. According to the invention, a different evaporation rate for these reactive elements is necessary to achieve higher deposition rates and better control of the coating chemistry.